

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

F A C T     S H E E T  
(pursuant to NAC 445A.236)

**Permittee Name:** Bently Agrowdynamics

**Permit Number:** NEV96003

**Description of Discharge**

**Location:** North of Minden in Douglas County  
1089 Stockyard Road.  
Latitude: 39° 10' 20"N  
Longitude: 119° 42' 58"W  
Sections 21, 22, T. 13N., R. 20E. MDB&M

**Characteristics:** This permit is for agricultural reuse of secondary treated disinfected wastewater from the Douglas County Sewer Improvement District #1 (DCSID #1) water reclamation facility.(NEV80033)

**Flow:** 5.0 MGD

**Quantities:**

<b><u>EFFLUENT LIMITATIONS</u></b>	<b><u>DISCHARGE LIMITATIONS</u></b>	<b><u>MONITORING REQUIREMENTS</u></b>	
	<u>30-day Ave.</u>	<u>Daily Max</u>	<u>Measurement</u>
BOD <sub>5</sub> :	30 mg/L	45 mg/L	Weekly
TSS:	30 mg/L	45 mg/L	Weekly
pH:	Between 6.0 and 9.0 S.U.		Weekly
Fecal Coliform:	200 CFU/MPN/100 ml	400 CFU/MPN/100 ml	Weekly
Total Nitrogen-N:	Monitor & Report mg/L (DCSID & 002 site outfall)		Monthly
Total Nitrogen-N:	Monitor & Report actual nitrogen applied lbs/ac		4 <sup>th</sup> Quarter
Total Nitrogen applied shall not be greater than the agronomic rate in the EMP (Alfalfa-270 lb/ac, small grains 43.7 lb/ac)(Annual)			

**General:** Domestic wastewater is treated to secondary standards and disinfected by DCSID #1 prior its delivery to the Middle Ranch of Bently Agrowdynamics for reuse irrigation, or for winter storage in one of two lined reservoirs in the foothills of the Pine Nut Mountains. During the irrigation season, the treated effluent delivered to the Middle Ranch will be applied to an additional 603.4 acres plus the original 800 acres of irrigated land in alfalfa and small grains. Spray irrigation will be utilized and the applicable irrigation field buffer zone of 400 feet as specified in NAC 445A.276 shall be maintained; no tailwater run-off is allowed. Effluent is blended seasonally with

ditch water and or groundwater and in some areas is the primary source of irrigation water. Effluent reuse is in accordance with the approved EMP. The permit renewal changes the Permittee to Bently Agrowdynamics from Dangberg Holdings LLC as a result of a LLC reorganization and name change. Park Cattle Company is no longer a partner in the property. Acreages and crops are being increased with effluent irrigation as part of a planned agricultural operations expansion on the Middle Ranch property.

**Receiving Water Characteristics:** The receiving waters are the groundwaters underlying the reuse sites. There is a shallow perched aquifer which is dominated by infiltration from irrigation and recharge. This shallow aquifer is currently not used for drinking, but it flows North by Northwest to the Carson River. Groundwater monitoring is required, and additional wells have been installed to track groundwater quality and prevent degradation of the perched aquifer and subsequently of the Carson River.

**Procedures for Public Comment:**

The notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **RENO GAZETTE-JOURNAL** and to the **RECORD-COURIER** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of publication of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of U.S. EPA Region IX or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing scheduled by the Administrator must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

**Proposed Determination**

The Division has made the tentative determination to reissue the proposed permit.

**Proposed Effluent Limitations, Schedule of Compliance and Special Conditions**

See above. There are no special conditions. The revised EMP shall be submitted to the Division within 30 days of permit issuance.

**Rationale for Permit Requirements**

Monitoring is required to prevent degradation of the perched aquifer and subsequent degradation of the Carson River to which it flows. Monitoring is also required to prevent application of excessive nitrogen.

Prepared by: Icyl C. Mulligan  
January 2003, revised October, 2003